

## Revised Consolidated Issue Statements – With DWR Revisions Oroville Facilities Relicensing (FERC Project No. 2100)

- E1. Evaluate the potential for adding additional generation using existing infrastructure, modifying facilities to increase storage and associated generation, and changing operation to provide spinning reserve (e.g., motoring) (1, 2, and 14).
- E2. Evaluate the potential to improve operations through use of real-time watershed hydrologic projections rather than annual projections. Coordinate with U.S. Army Corps of Engineers data gathering (3, 12).
- E3. Evaluate potential for coordinated operation of Oroville Facilities with other water storage facilities and regulatory and resource agencies (5 and 6).
- E4. Use support system models as a tool to evaluate environmental and economic aspects of different flow regimes (see Issue E2 above). Factors to be considered include timing, magnitude and duration of flows, pumpback scheduling and maintenance scheduling, and hatchery operations (4, 7, 8, 13, 25, 26, 28, 32 and 33)
- E5. Impact of flood releases on Lake Oroville dam (including need for access to north side of dam) and downstream facilities including downstream levee stability and potential for ameliorating downstream flooding through coordinated releases with other water storage facilities. Consider past floods, improvements in channel carrying capacities, need for more storage (e.g., installing Obermeyer gates on the emergency spillway ogee), operational changes, early warning system for downstream releases, and updating of flood operation manual (11, 17, 19, 21, 22, 23, 47, 51, 52 and 53).
- E6. Effect of ramping rates on downstream facilities, power generation, water temperatures, and fish (10).
- E7. Effect of the project including discharge (magnitude, frequency and timing) and ramping rates and the altered stream hydrology on substrate scour, mobilization of sediments, turbidity levels, and riparian vegetation in the low flow reach and downstream of the Afterbay (29, 30, 36, 41 and 42).
- E8. Effect of reservoir sedimentation and sediments on project operations (9, 27 and 46).
- E9. Effect of Oroville Facilities power generation pricing schedule on local economy (16).
- E10. Effect of future water demands on project operations including power generation, lake levels and downstream flows. Consider sale of existing water allotments to downstream users (18 and 20).
- E11. Effect of tires in Parrish Cove and Bidwell Cove and stakes used to hold down recycled Christmas trees on public safety (54 and 55).
- E12. Evaluate operational and engineering alternatives including selective withdrawal from Lake Oroville, Thermalito Afterbay, the hatchery, and the low flow section to meet various downstream temperature requirements (15 and 43).
- E13. Evaluate operational and engineering alternatives to prevent interbreeding of fall and spring-run Chinook salmon in the low flow section of the Feather River (e.g., migration barrier and/or flow and temperature changes) (24).
- E14. Evaluate operational alternatives that balance and maintain acceptable water quality standards including those for MTBE under all operational plans and conditions (37).
- E15. Evaluate operation alternatives that maintain or improve current water supply under all operation plans and conditions.

A number of engineering and environmental issues identified in this issues list are not referenced because they are not engineering and operations issues. Issues: 31, 34, 35, 38, 39, 40, 44, 45, 48, 49, and 50 are either Environmental Work Group issues or do not require further evaluation.